

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No. <b>UTU-0144868-B</b>
6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
8. Lease Name and Well No. <b>NBU 920-12M</b>
9. API Well No. <b>43-047-39235</b>
10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 12, T9S, R20E</b>
12. County or Parish <b>UINTAH</b>
13. State <b>UTAH</b>

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL AND GAS ONSHORE LP**

3A. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements.)  
At surface **SW/SW 820'FSL, 465'FWL 617524X 40.044890**  
At proposed prod. Zone **4433439Y - 109.622344**

14. Distance in miles and direction from nearest town or post office\*  
**7.9 +/- MILES FROM OURAY, UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
**465'**

16. No. of Acres in lease  
**600.00**

17. Spacing Unit dedicated to this well  
**40.00**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
**REFER TO TOPO C**

19. Proposed Depth  
**10,690'**

20. BLM/BIA Bond No. on file  
**RLB0005239**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**4703'GL**

22. Approximate date work will start\*  
**UPON APPROVAL**

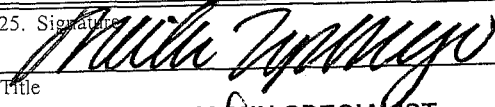
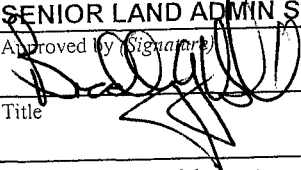
23. Estimated duration  
**TO BE DETERMINED**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/19/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-30-07</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

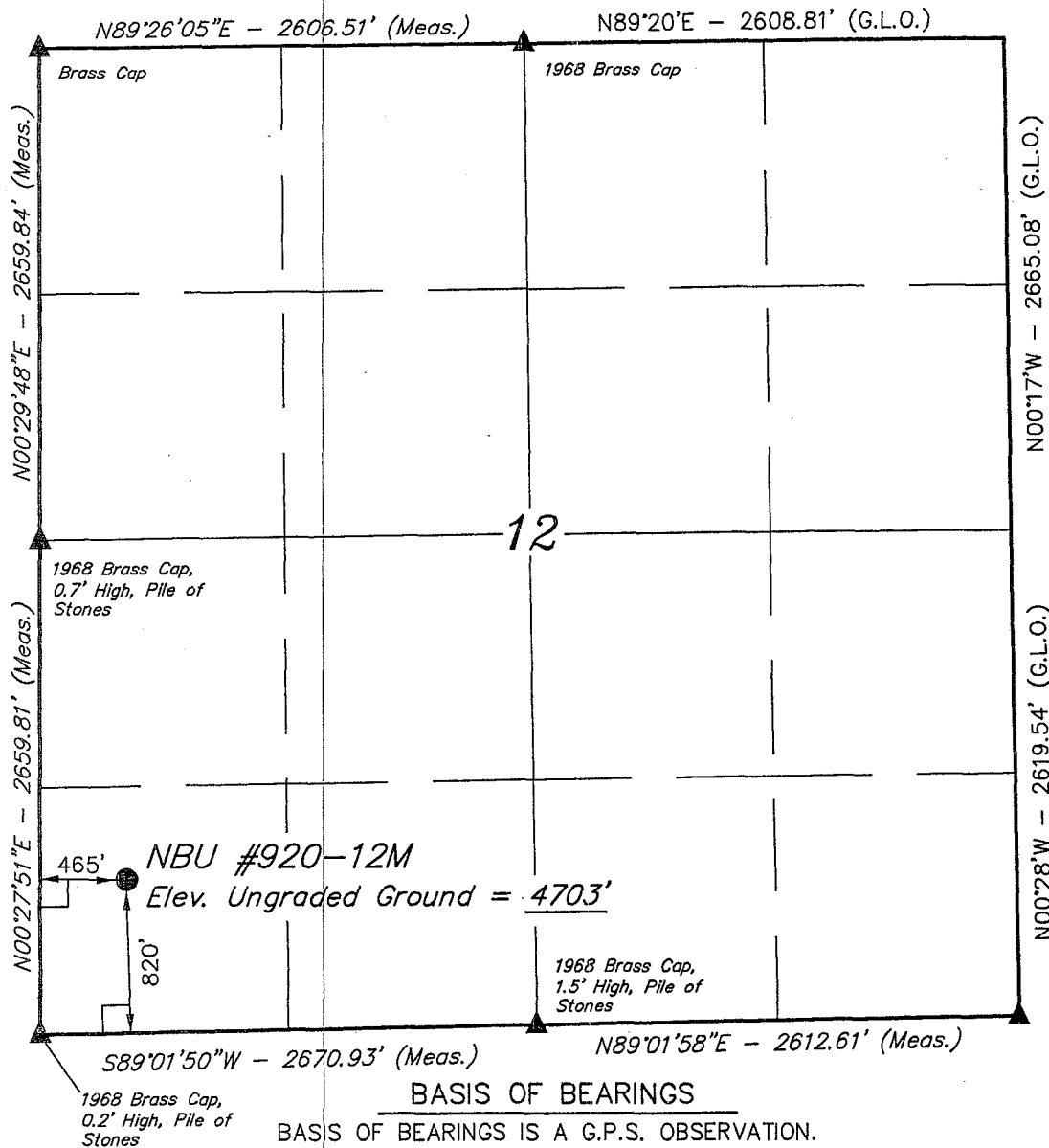
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action is Necessary

RECEIVED  
APR 23 2007  
DIV. OF OIL, GAS & MINING

TS, R20E, S.L.B.&M.



### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

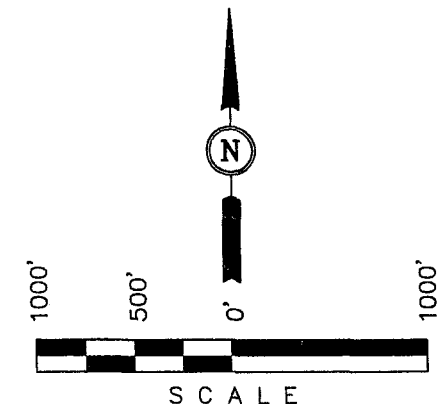
(NAD 83)  
 LATITUDE = 40°02'41.67" (40.044908)  
 LONGITUDE = 109°37'23.12" (109.623089)  
 (NAD 27)  
 LATITUDE = 40°02'41.80" (40.044944)  
 LONGITUDE = 109°37'20.63" (109.622397)

## Kerr-McGee Oil & Gas Onshore LP

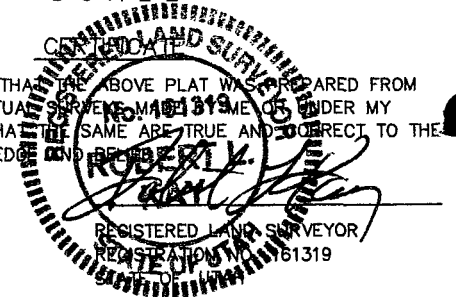
Well location, NBU #920-12M, located as shown in the SW 1/4 SW 1/4 of Section 12, T9S, R20E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-10-07	DATE DRAWN: 01-11-07
PARTY L.K. J.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 920-12M  
SW/SW Sec. 12, T9S, R20E  
UINTAH COUNTY, UTAH  
UTU-0144868-B

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1771'
Top of Birds Nest Water	2014'
Mahogany	2400'
Wasatch	5198'
Mesaverde	8453'
MVU2	9433'
MVL1	9938'
TD	10,690'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1771'
	Top of Birds Nest Water	2014'
	Mahogany	2400'
Gas	Wasatch	5198'
Gas	Mesaverde	8453'
Gas	MVU2	9433'
Gas	MVL1	9938'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

4. **Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,690' TD, approximately equals 6628 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4276 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

---

KERR-McGEE OIL & GAS ONSHORE LP  
DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	April 19, 2007		
WELL NAME	NBU 920-12M	TD	10,690'	MD/TVD	
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
ELEVATION	4,703'	GL	KB	4,718'	
SURFACE LOCATION	SW/SW SEC. 12, T9S, R20E 820'FSL, 465'FWL				BHL
	Latitude: 40.044908	Longitude: 109.623089	Straight Hole		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 36# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,198'	Green River @ 1,771' Top of Birds Nest Water @ 2,014' Mahogany @ 2,400' Preset f/ GL @ 2,600' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.				
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-12.0 ppg
	Wasatch @ 5,198'				
	Mverde @ 8,453'				
	MVU2 @ 9,433'				
	MVL1 @ 9,938'				
	TD @ 10,690'				Max anticipated Mud required 12.0 ppg



# **KERR-McGEE OIL & GAS ONSHORE LP** **DRILLING PROGRAM**

## **CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2200	32.30	H-40	STC	0.53*****	1.33	3.45
	9-5/8"	2200 to 2600	36.00	J-55	STC	1.03*****	2020	564000
PRODUCTION	4-1/2"	0 to 10690	11.60	I-80	LTC	7780	1.66	7.67
						1.80	0.95	201000
							1.86	

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 12.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)
- MASP 4319 psi

\*\*\*\*\* Burst SF is low but csg is stronger than formation at 2600 feet

\*\*\*\*\* EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

## **CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>				
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,690'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	6,000'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1680	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## **FLOAT EQUIPMENT & CENTRALIZERS**

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## **ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: \_\_\_\_\_

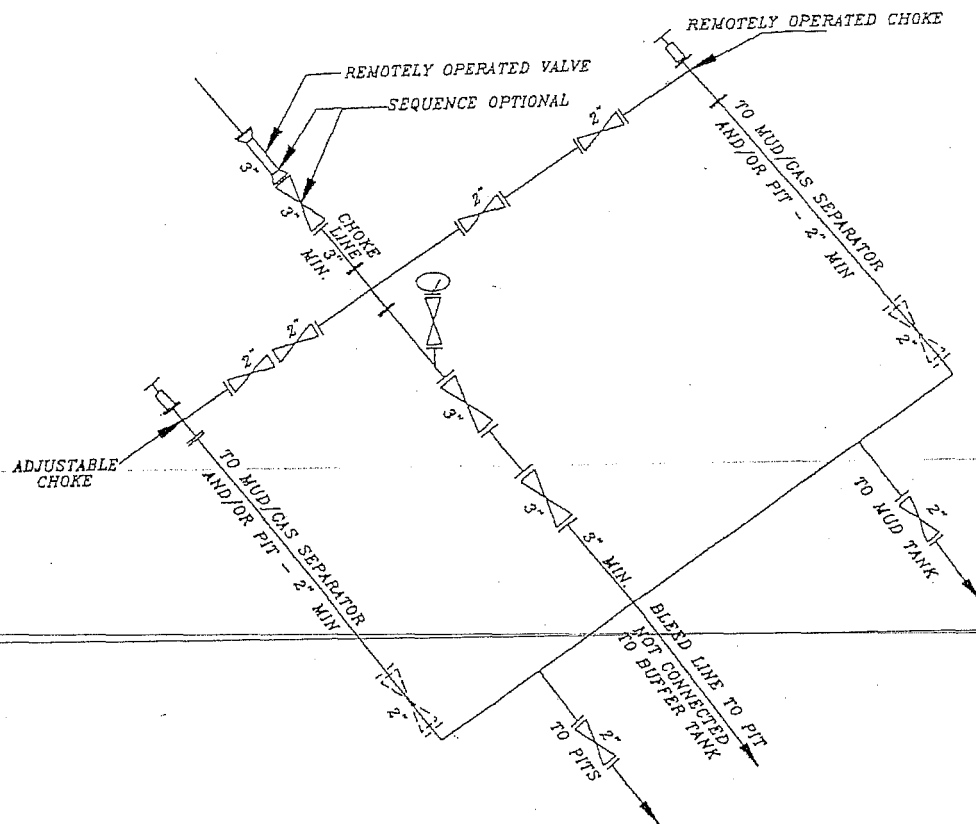
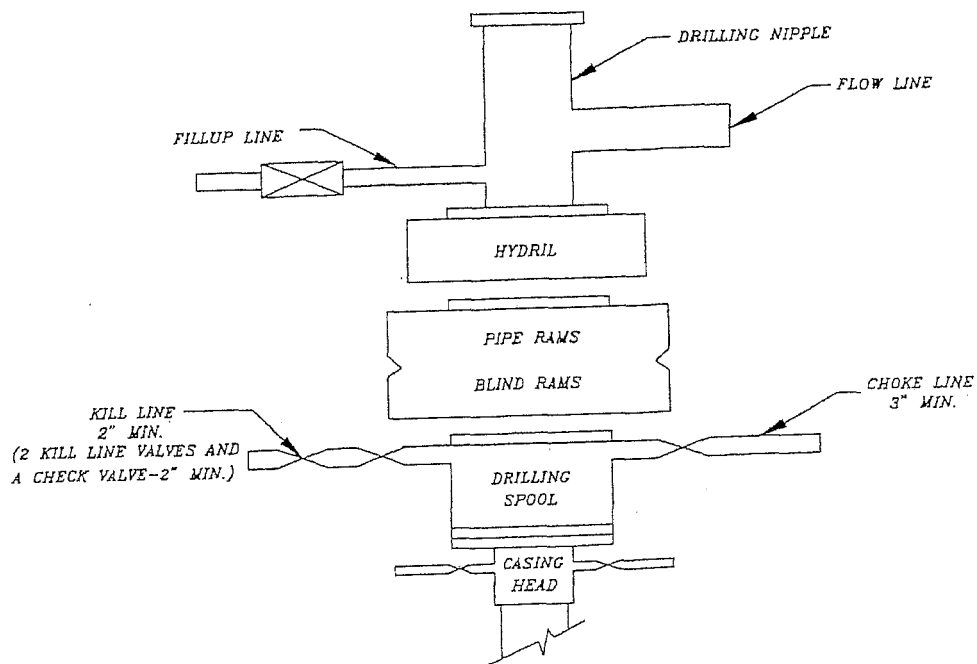
DRILLING SUPERINTENDENT:

Randy Bayne

DATE: \_\_\_\_\_

NBU920-12M DHD

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 920-12M  
SW/SW SEC. 12, T9S, R20E  
UINTAH COUNTY, UTAH  
UTU-0144868-B

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 0.1 +/- miles of new access road. Please refer to the attached Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Approximately 928' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

---

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).



8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

*Please see the Natural Buttes SOP.*

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

---

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

**13. Lessee's or Operator's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

4/19/2007

Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #920-12M  
SECTION 12, T9S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 3.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 38.9 MILES.

---

# Kerr-McGee Oil & Gas Onshore LP

## NBU #920-12M

LOCATED IN UTAH COUNTY, UTAH  
SECTION 12, T9S, R20E, S.L.B.&M.

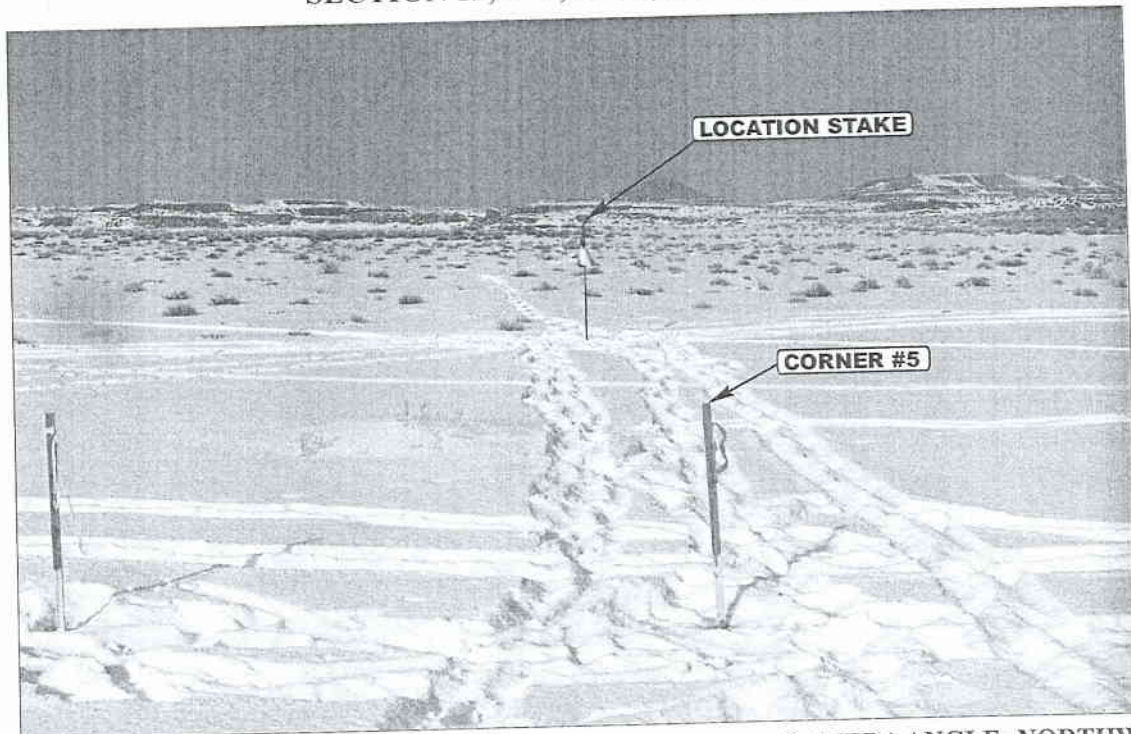


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

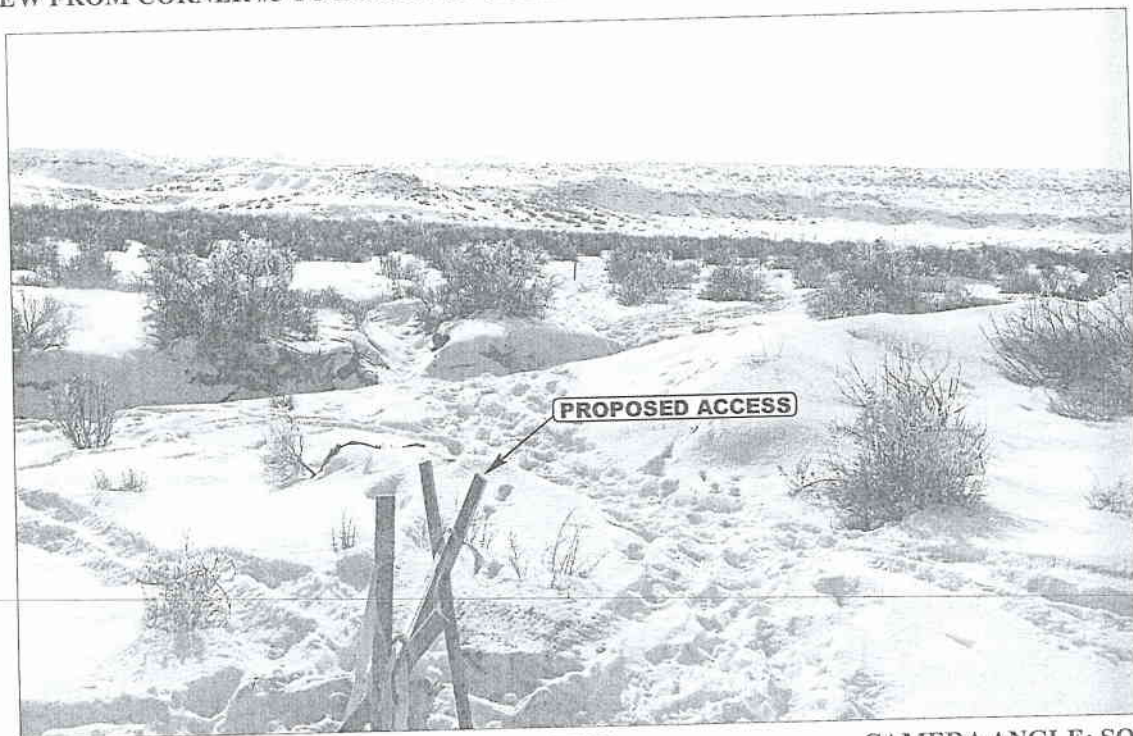


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



Since 1964

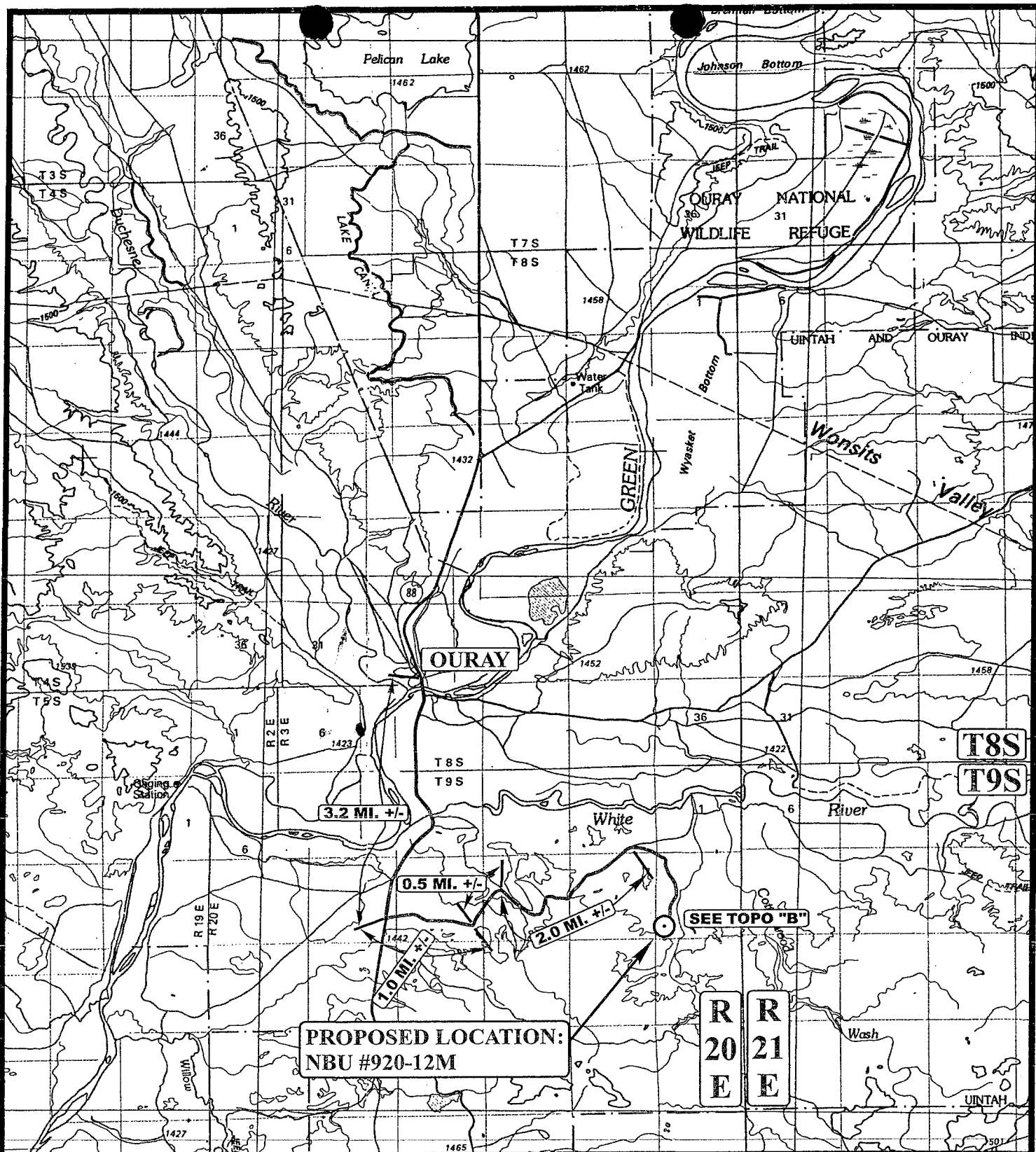
U  
E  
L  
S  
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

01 11 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. DRAWN BY: L.K. REVISED: 00-00-00



# LEGEND:

○ PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

NBU #920-12M

SECTION 12, T9S, R20E, S.L.B.&M.

820' FSL 465' FWL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

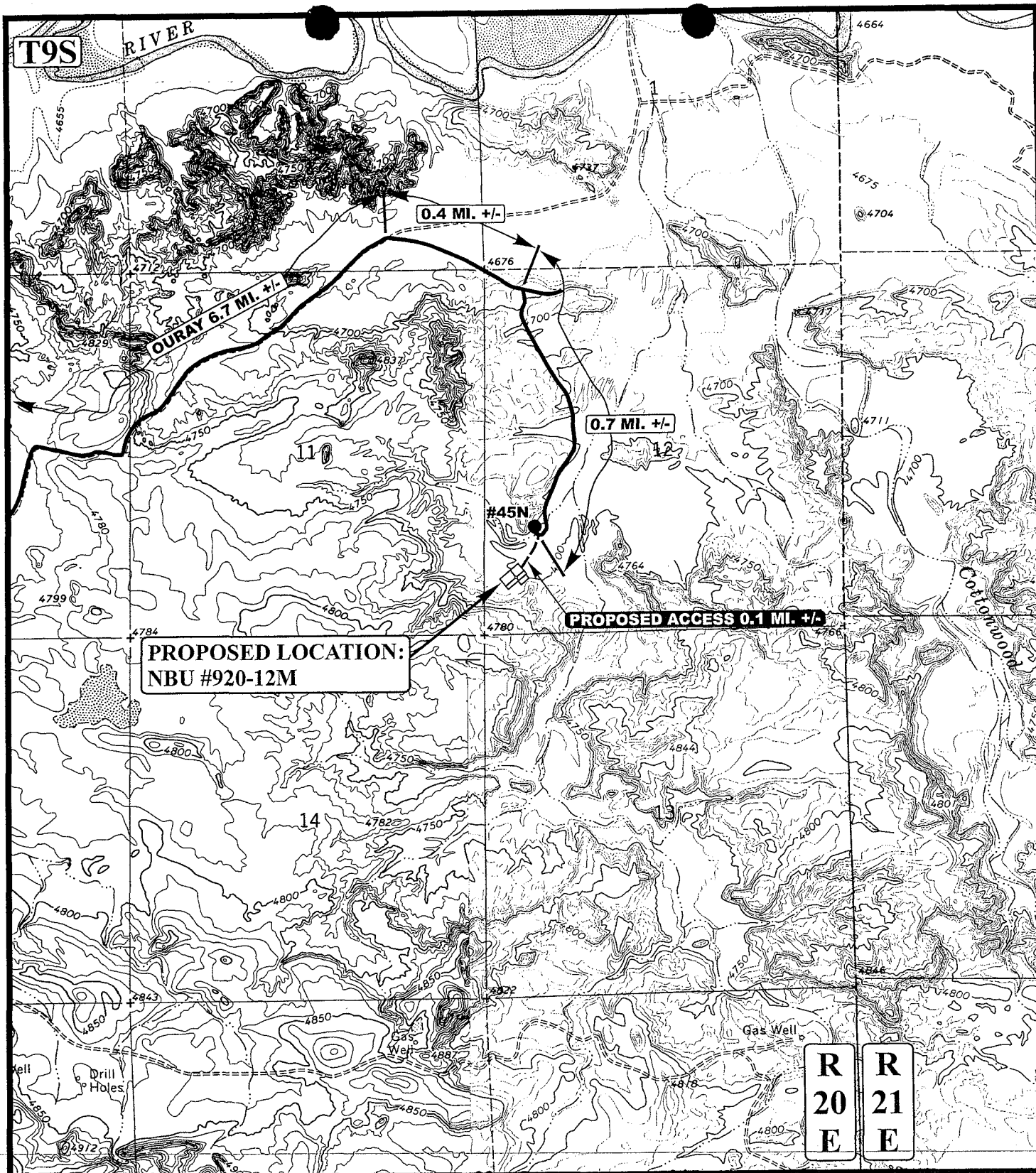
TOPOGRAPHIC  
MAP

01 11 07  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00







# **LEGEND:**

————— EXISTING ROAD  
 - - - - - PROPOSED ACCESS ROAD

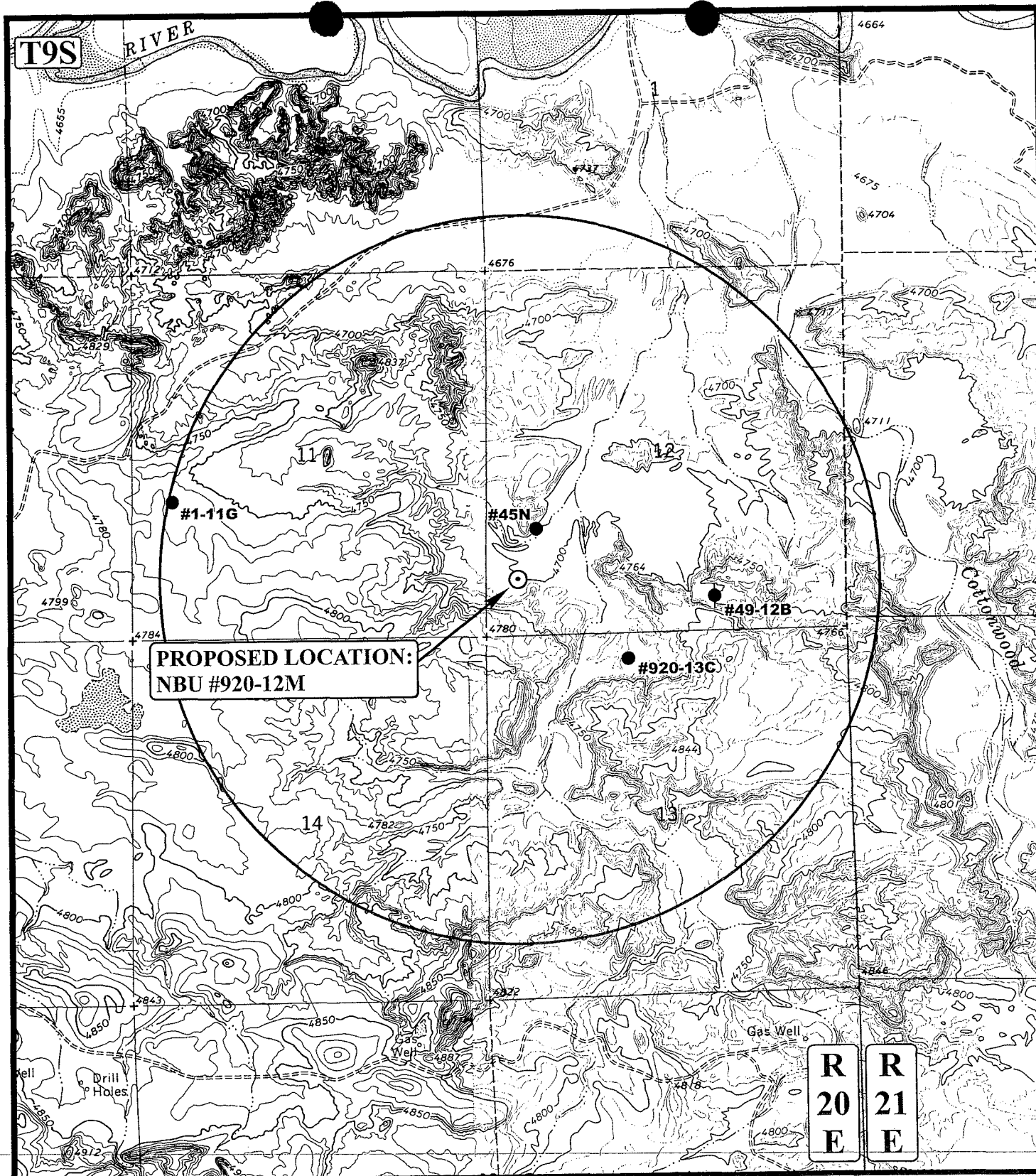


## **Kerr-McGee Oil & Gas Onshore LP**

**NBU #920-12M**  
**SECTION 12, T9S, R20E, S.L.B.&M.**  
**820' FSL 465' FWL**

**U E L S**  
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**M A P**  
**01 11 07**  
 MONTH DAY YEAR  
**SCALE: 1" = 2000'** **DRAWN BY: L.K.** **REVISED: 00-00-00**  
**B**  
**TOPO**



# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



## Kerr-McGee Oil & Gas Onshore LP

NBU #920-12M  
SECTION 12, T9S, R20E, S.L.B.&M.  
820' FSL 465' FWL



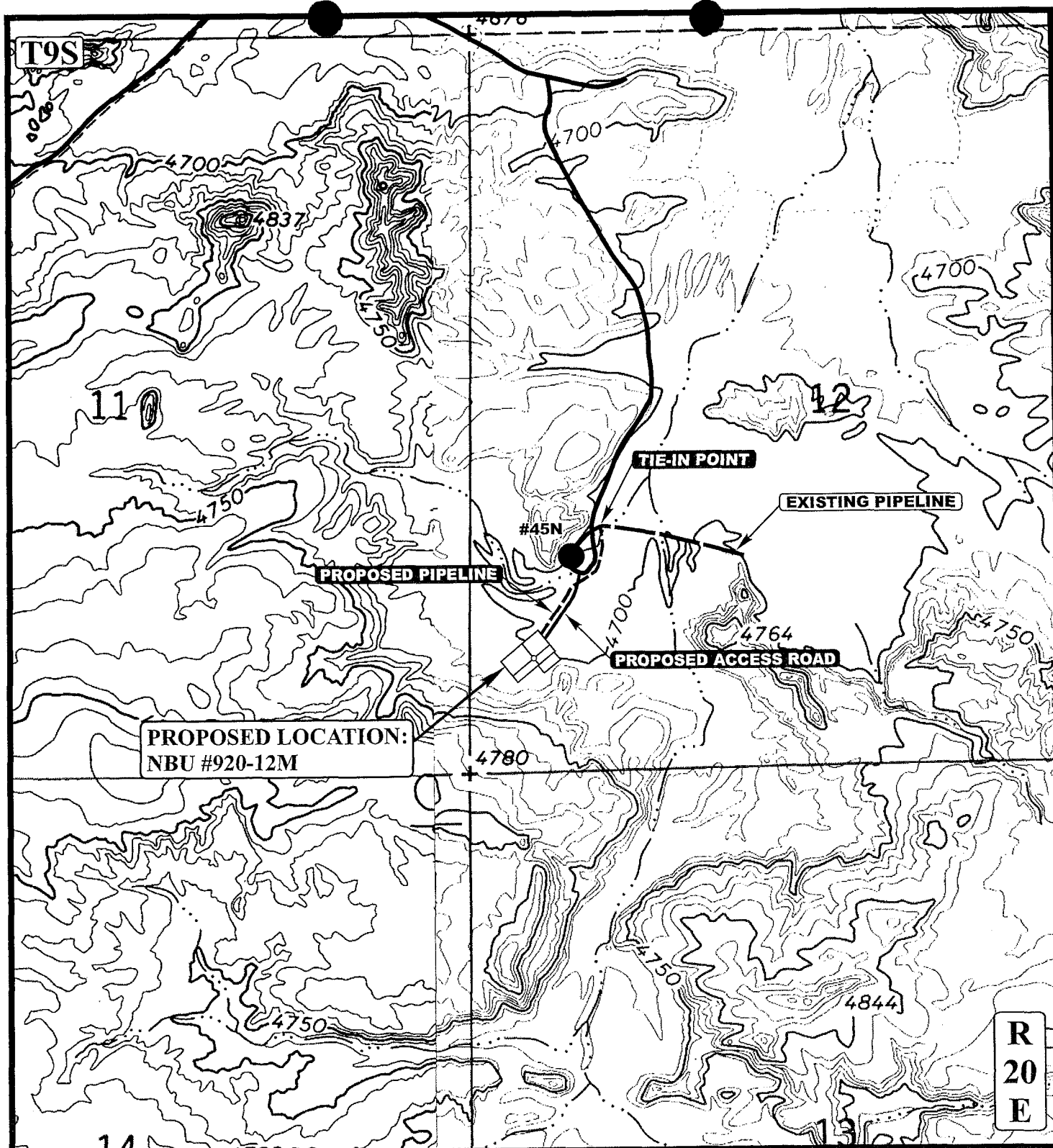
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

01 11 07  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 928' +/-

# LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE
- (SERVICING OTHER WELLS)



Kerr-McGee Oil & Gas Onshore LP

NBU #920-12M

SECTION 12, T9S, R20E, S.L.B.&M.

820' FSL 465' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

01 11 07  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

D  
TOPO



# Kerr-McGee Oil & Gas Onshore LP

NBU #920-12M  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 12, T9S, R20E, S.L.B.&M.



PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

## PIPELINE PHOTOS

01 11 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. | DRAWN BY: L.K. | REVISED: 00-00-00

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

NBU #920-12M

SECTION 12, T9S, R20E, S.L.B.&M.

820' FSL 465' FWL

CONSTRUCT  
DIVERSION  
DITCH

C-3.3'  
El. 705.7'

Sta. 3+50

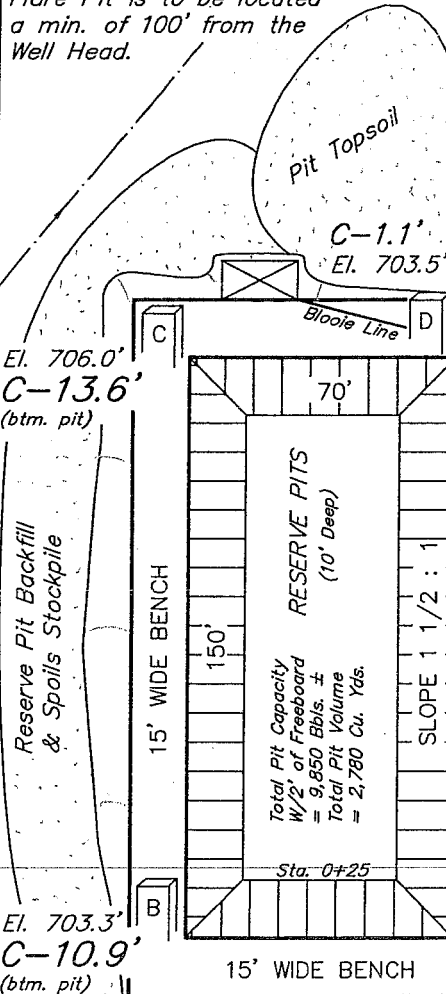
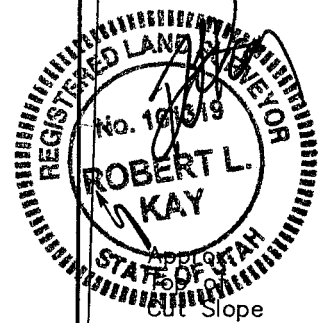
C-3.6'  
El. 706.0'

C-3.1'  
El. 705.5'

SCALE: 1" = 50'  
DATE: 01-11-07  
Drawn By: L.K.

### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



El. 703.3'  
C-10.9'  
(btm. pit)

C-1.1'  
El. 703.5'

F-1.4'  
El. 701.0'

F-1.2'  
El. 701.2'

F-1.4'  
El. 701.0'

C-0.2'  
El. 702.6'

Sta. 0+00

F-1.5'  
El. 700.9'

### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4702.5'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4702.4'

Proposed Access  
Road

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

TYPICAL CROSS SECTIONS FOR

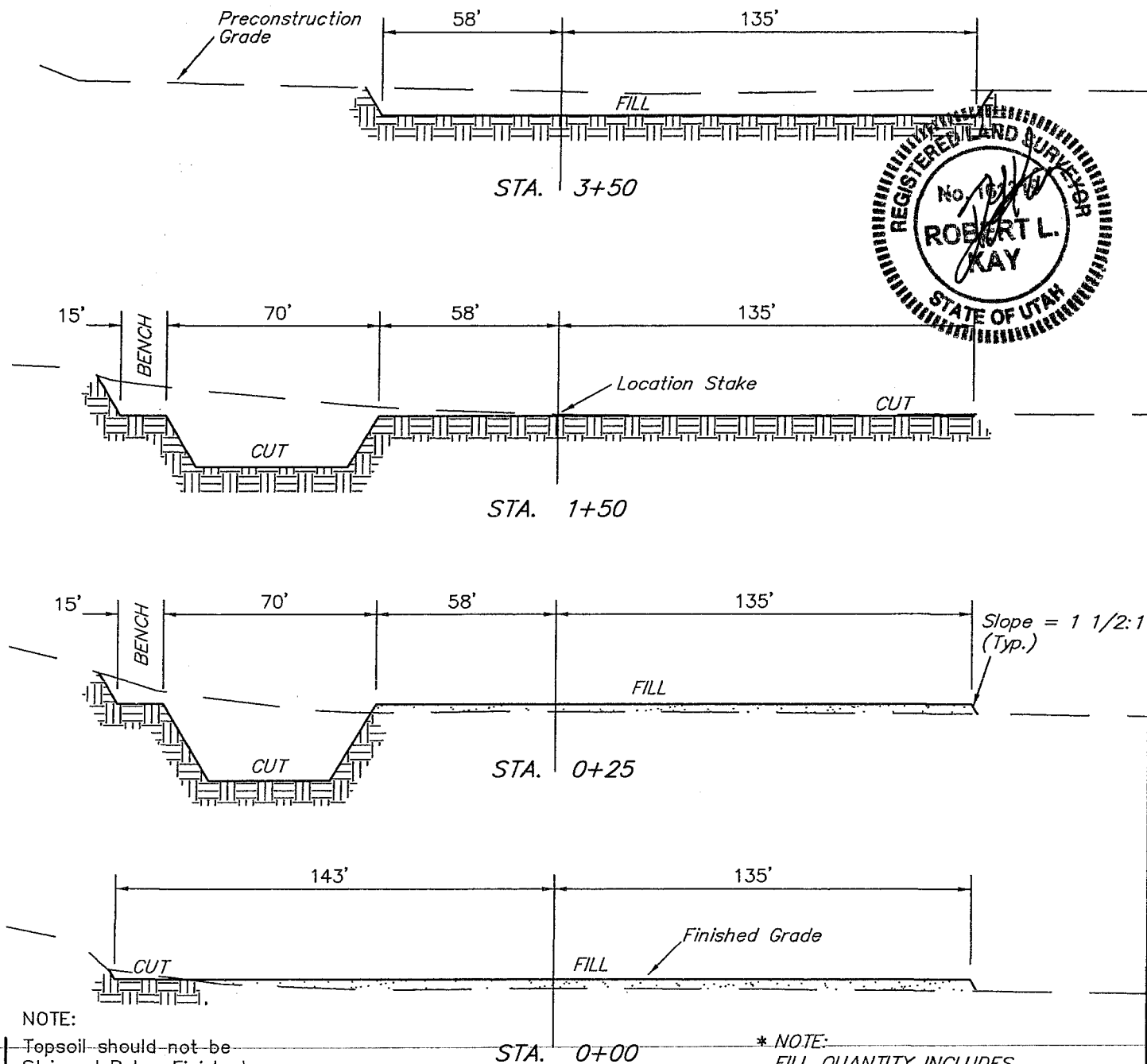
NBU #920-12M

SECTION 12, T9S, R20E, S.L.B.&M.

820' FSL 465' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 01-11-07  
Drawn By: L.K.



APPROXIMATE YARDAGES

CUT  
(12") Topsoil Stripping = 3,290 Cu. Yds.  
Remaining Location = 4,600 Cu. Yds.  
TOTAL CUT = 7,890 CU.YDS.  
FILL = 2,080 CU.YDS.

EXCESS MATERIAL = 9,970 Cu. Yds.  
Topsoil & Pit Backfill = 4,680 Cu. Yds.  
(1/2 Pit Vol.)  
EXCESS UNBALANCE = 5,290 Cu. Yds.  
(After interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39235

WELL NAME: NBU 920-12M

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

**PROPOSED LOCATION:**

SWSW 12 090S 200E

SURFACE: 0820 FSL 0465 FWL

BOTTOM: 0820 FSL 0465 FWL

COUNTY: UINTAH

LATITUDE: 40.04489 LONGITUDE: -109.6223

UTM SURF EASTINGS: 617524 NORTHINGS: 4433439

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0144868-B

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat  
☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )  
☒ Potash (Y/N)  
☒ Oil Shale 190-5 (B) or 190-3 or 190-13  
☒ Water Permit  
(No. 43-8496 )  
☒ RDCC Review (Y/N)  
(Date: )  
☒ Fee Surf Agreement (Y/N)  
☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

\_\_\_ R649-2-3.

Unit: NATURAL BUTTES

\_\_\_ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

\_\_\_ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-29-99

Siting: 460' fr wldg & uncomm road

\_\_\_ R649-3-11. Directional Drill

COMMENTS:

*(Sop, Separate GW)*

STIPULATIONS:

*1- Federal Approval  
2- On SHALE*

T9S R21E

T9S R20E

NBU 920-12C

NBU 317-12E

CAUSE: 173-14 / 12-2-1999

# **NATURAL BUTTES FIELD** **NATURAL BUTTES UNIT**

NBU 45N

NBU 920-12M

NBU 49-12B

NBU 920-13C

OPERATOR: KERR MCGEE O&G (N5085)

SEC: 12 T.9S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

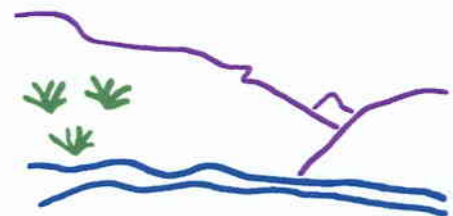
CAUSE: 173-14 / 12-2-1999

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERML  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

## **Wells Status**

[ ] GAS INJECTION  
 [ ] GAS STORAGE  
 [ ] LOCATION ABANDONED  
 [ ] NEW LOCATION  
 [ ] PLUGGED & ABANDONED  
 [ ] PRODUCING GAS  
 [ ] PRODUCING OIL  
 [ ] SHUT-IN GAS  
 [ ] SHUT-IN OIL  
 [ ] TEMP. ABANDONED  
 [ ] TEST WELL  
 [ ] WATER INJECTION  
 [ ] WATER SUPPLY  
 [ ] WATER DISPOSAL  
 [ ] DRILLING



*Utah Oil Gas and Mining*



PREPARED BY: DIANA MASON  
DATE: 27-APRIL-2007

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 27, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39235 NBU 920-12M Sec 12 T09S R20E 0820 FSL 0465 FWL

43-047-39236 NBU 920-12C Sec 12 T09S R20E 0729 FNL 2131 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:4-27-07



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 30, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 920-12M Well, 820' FSL, 465' FWL, SW SW, Sec. 12,  
T. 9 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39235.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office

Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 920-12M  
API Number: 43-047-39235  
Lease: UTU-0144868-B

Location: SW SW Sec. 12 T. 9 South R. 20 East

#### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/SW SEC. 12, T9S, R20E 820'FSL, 465'FWL**

5. Lease Serial No.

**UTU-0144868-B**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 920-12M**

9. API Well No.

**4304739235**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE  
SUBJECT WELL LOCATION, SO THE DRILLING OPERATIONS MAY BE COMPLETED.

THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING DEPARTMENT  
ON APRIL 30, 2007.

COPY SENT TO OPERATOR

Date: **5.6.2008**

Initials: **KS**

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **05-05-08**

By: **[Signature]**

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Signature

Title

**SENIOR LAND ADMIN SPECIALIST**

Date

**April 22, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304739235  
**Well Name:** NBU 920-12M  
**Location:** SW/SW SEC. 12, T9S, R20E  
**Company Permit Issued to:** KERR McGEE OIL & GAS ONSHORE LP  
**Date Original Permit Issued:** 4/30/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

4/22/2008

Date

**Title:** SENOIR LAND ADMIN SPECIALIST

**Representing:** KERR-McGEE OIL & GAS ONSHORE LP

RECEIVED

MAY 02 2008

DIV. OF OIL, GAS & MINING

RECEIVED  
VERNAL FIELD OFFICE

2007 APR 20 AM 11:13

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

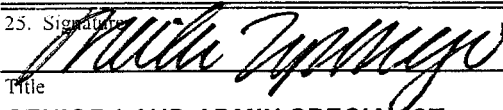
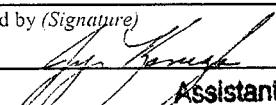
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-0144868-B</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 920-12M</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SW/SW 820'FSL, 465'FWL</b> At proposed prod. Zone		9. API Well No. <b>43 047 39235</b>
14. Distance in miles and direction from nearest town or post office* <b>7.9 +/- MILES FROM OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>465'</b>	16. No. of Acres in lease <b>600.00</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>SEC. 12, T9S, R20E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	19. Proposed Depth <b>10,690'</b>	12. County or Parish <b>UINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4703'GL</b>		13. State <b>UTAH</b>
22. Approximate date work will start* <b>UPON APPROVAL</b>		17. Spacing Unit dedicated to this well <b>40.00</b>
23. Estimated duration <b>TO BE DETERMINED</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/19/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>Jerry Kevaka</b>	Date <b>SEP 08 2008</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

SEP 15 2008

DIV. OF OIL, GAS & MINING

NO NOS  
07MLC009A



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee Oil and Gas Onshore LP Location: SWSW, Sec. 12, T9S, R20E  
Well No: NBU 920-12M Lease No: UTU-0144868-B  
API No: 43-047-39235 Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**General Conditions of Approval**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Specific Conditions of Approval**

- Paint equipment Carlsbad Canyon
- Bring in gravel and other important dirt for well pad and access road
- Install two (2) 24" parallel culverts on access road

**General Conditions of Approval**

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$  $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: KERR-McGEE OIL & GAS ONSHORE, L.P.

Well Name: NBU 920-12M

Api No: 43-047-39235 Lease Type: FEDERAL

Section 12 Township 09S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

### **SPUDDED:**

Date 10/20/08

Time 6:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 10/22//08 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078

Operator Account Number: N 2995  
Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304737733	SANTIO 4-191	NWNW	4	9 S	21 E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
A	99999	17154	10/20/2008		10/28/08	
Comments: MIRU PETE MARTIN BUCKET RIG. WSTMVD SPUD WELL LOCATION ON 10/20/2008 AT 0800 HRS.						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739235	NBU 920-12M	SWSW	12	9 S	20 E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
B	99999	2900	10/19/2008		10/28/08	
Comments: MIRU PETE MARTIN BUCKET RIG. WSTMVD SPUD WELL LOCATION ON 10/19/2008 AT 0800 HRS.						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date	
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

OCT 23 2008

SHEILA UPCHEGO

Name (Please Print) Sheila Upchego  
Signature  
REGULATORY ANALYST 10/21/2008  
Title Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS  
*Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

820' FSL, 465' FWL  
SWSW, SEC.12, T9S-R20E

5. Lease Serial No.

UTU-0144868-B

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

8. Well Name and No.

NBU 920-12M

9. API Well No.

4304739235

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7#  
SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 10/19/2008 AT 0800 HRS.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Date

October 20, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

OCT 27 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS  
**Do not use this form for proposals to drill or reenter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

820' FSL, 465' FWL  
SW/SW, SEC. 12, T9S-R20E

5. Lease Serial No.

UTU-0144868-B

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

7. If Unit or CA/Agreement, Name and/or No.

891008900A

8. Well Name and No.

NBU 920-12M

9. API Well No.

4304739235

10. Field and Pool, or Exploratory Area

NATURAL BUTTES

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PROPETRO AIR RIG ON 10/27/2008. DRILLED 12 1/4" SURFACE HOLE TO 2860'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/265 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT +/- 25 PSI LIFT TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

REGULATORY ANALYST

Date

November 4, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
UTU-0144868-B

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.  
UNIT #891008900A

8. Well Name and No.  
NBU 920-12M

9. API Well No.  
4304739235

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW/SW SEC. 12, T9S, R20E 820'FSL, 465'FWL

11. Country or Parish, State  
UINTAH COUNTY, UTAH

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>FINAL DRILLING</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>OPERATIONS</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

FINISHED DRILLING FROM 2860' TO 10,710' ON 01/10/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/700 SX PREM LITE II @12.5 PPG 2.05 YIELD. TAILED CMT W/1450 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/165 BBLS FW+ALDACIDE. BUMP PLUG W/3650 PSI 500 OVER FLOATS OK. HAD GOOD RETURNS W/10 BBLS LEAD CMT TO PIT. SET PACKOFF & TEST ND BOP CLEAN PITS.

RELEASED PIONEER RIG 41 ON 01/12/2009 AT 1200 HRS.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 01/13/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**RECEIVED**  
**JAN 20 2009**

**DIV. OF OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
UTU-0144868-B

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

**SUBMIT IN TRIPLICATE – Other instructions on page 2.**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

KERR MCGEE OIL &amp; GAS ONSHORE LP

## 3a. Address

1368 SOUTH 1200 EAST VERNAL, UTAH 84078

## 3b. Phone No. (include area code)

435.781.7024

## 7. If Unit of CA/Agreement, Name and/or No.

UNIT #891008900A

8. Well Name and No.  
NBU 920-12M9. API Well No.  
4304739235

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/SW SEC. 12, T9S, R20E 820'FSL, 465'FWL

10. Field and Pool or Exploratory Area  
NATURAL BUTTES11. Country or Parish, State  
UINTAH COUNTY, UTAH

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>START-UP</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/04/2009 AT 11:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

## 14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 02/24/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

(Instructions on page 2)

**MAR 02 2009****DIV. OF OIL, GAS & MINING**



# ROCKIES

## Operation Summary Report

Well: NBU 920-12M	Spud Conductor: 10/19/2008	Spud Date: 10/27/2008
Project: UTAH	Site: UINTAH	Rig Name No: PROPETRO/, PIONEER 41/41
Event: DRILLING	Start Date: 10/27/2008	End Date: 1/12/2009
Active Datum: RKB @4,721.00ft (above Mean Sea Level)		
UWI: NBU 920-12M		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
10/27/2008	19:30 - 0:00	4.50	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1930 HR 10/27/08 DA AT REPORT TIME 390'
10/28/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1110'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1470'
10/29/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1710'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1950'
10/30/2008	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 2450'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG T/D @ 2860' CONDITION HOLE AT REPORT TIME
10/31/2008	0:00 - 5:00	5.00	DRLSUR	05		P		TRIP DP OUT OF HOLE
	5:00 - 8:00	3.00	DRLSUR	11		P		RUN 2812' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	8:00 - 9:30	1.50	DRLSUR	15		P		CEMENT 1ST STAGE WITH 265 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB +- 25 BBL LEAD CMT TO PIT
	9:30 - 10:00	0.50	DRLSUR	15		P		1ST TOP JOB 100 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
	10:00 - 11:00	1.00	DRLSUR	15		P		2ND TOP JOB 75 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	11:00 - 11:00	0.00	DRLSUR					NO VISIBLE LEAKS PIT WAS 55% FULL WORT
12/25/2008	8:00 - 0:00	16.00	DRLPRO	01	E	P		RIG DOWN PUMPS, PITS, BACK YARD, R/D FLOOR, LOWER DERRICK @ 1600, RIG DOWN FLARE & CHOKE LINES, WATER, MUD LINES- -50% RIGGED DOWN, 70 MAN HOURS FOR MOVE
12/26/2008	0:00 - 18:00	18.00	DRLPRO	01	E	P		RIG DOWN, DERRICK OFF FLOOR 1200 HRS, MOVE AND SET UP RIG CAMP, SET BOPS & SPOT 3 MATS, SDFN=120 MAN HOURS TODAY, 190 FOR MOVE==4 BED TRUCKS,4 HAUL TRUCKS, 2 FORKLIFTS, CRANE==95% MOVED SHUT DOWN FOR NIGHT
	18:00 - 0:00	6.00	DRLPRO	12	D	P		SHUT DOWN FOR NIGHT-WAIT ON DAYLIGHT
12/27/2008	0:00 - 7:00	7.00	DRLPRO	12	D	P		SET IN RIG, PIN DERRICK ON FLOOR, RELEASE TRUCKS CRANE & FORKLIFT @ 1400 HRS, RAISE DERRICK @ 1545 HRS. RIG UP FLOOR EQUIPMENT, PUMPS & PITS, AIR, WATER LINES & ELECTRIC LINES, 70% RIGGED UP, 140 MAN HOURS TODAY, 330 MAN HOURS FOR MOVE
12/28/2008	0:00 - 12:00	12.00	DRLPRO	01	B	P		RIG UP FLARE & CHOKE LINES, STEAM, WATER, AIR LINES, R/U FLOOR EQUIPMENT==RIG ACCEPTED ON DAYWORK 1200 HRS 12/28/08==MAN HOURS TODAY 60, TOTAL MAN HOURS FOR MOVE 390
	12:00 - 16:30	4.50	DRLPRO	13	A	P		M/U KELLY, NIPPLE UP BOPS
	16:30 - 21:00	4.50	DRLPRO	13	C	P		TEST BOPS, CHOKE MANIFOLD, KELLY, CASING
	21:00 - 0:00	3.00	DRLPRO	05	A	P		SET WEAR BUSHING, R/U WIRELINE, SM, R/U PICKUP MACHINE-M/U BIT #1, PICKUP DRILLSTRING & RIH
12/29/2008	0:00 - 6:00	6.00	DRLPRO	05	A	P		PICK UP DRILLSTRING, RIH, TAG CEMENT @ 2742, R/D PICKUP MACHINE, INSTALL ROTATING HEAD RUBBER
	6:00 - 7:30	1.50	DRLPRO	02	F	P		DRILL CEMENT & FE TO 2878
	7:30 - 8:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 2803 = 4.74 DEG

## Operation Summary Report

Well: NBU 920-12M			Spud Conductor: 10/19/2008			Spud Date: 10/27/2008		
Project: UTAH			Site: UINTAH			Rig Name No: PROPETRO/, PIONEER 41/41		
Event: DRILLING			Start Date: 10/27/2008			End Date: 1/12/2009		
Active Datum: RKB @4,721.00ft (above Mean Sea Level)			UWI: NBU 920-12M					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
12/30/2008	8:00 - 10:30	2.50	DRLPRO	02	B	P		SPUD IN AND DRILL 2878-2973 = 95' = 38 FPH, MW 8.4#
	10:30 - 11:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 2898 = 5.07 DEG
	11:00 - 11:30	0.50	DRLPRO	04	C	P		CCH, PUMP SLUG FOR TRIP
	11:30 - 13:00	1.50	DRLPRO	05	A	P		POOH, REMOVE IBS, CHANGE BITS FOR DROPPING BIT
	13:00 - 15:00	2.00	DRLPRO	05	A	P		TRIP IN HOLE WITH BIT #2 (DROPPING BIT)
	15:00 - 19:30	4.50	DRLPRO	02	B	P		DRILL 2973-3190 = 217' = 48.2 FPH, MW 9.3#
	19:30 - 20:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 3115 = 4.58 DEG
	20:00 - 0:00	4.00	DRLPRO	02	B	P		DRILL 3190-3376 = 186' = 46.5 FPH, MW 9.8#
	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRILL 3376-3508 = 132' = 44 FPH, MW 9.8#
	3:00 - 3:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 3430 = 4.11 DEG
	3:30 - 13:30	10.00	DRLPRO	02	B	P		DRILL 3508-4013 = 505' = 50.5 FPH, MW 10.2
	13:30 - 14:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	14:00 - 14:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 3938 = 2.7 DEG
	14:30 - 20:30	6.00	DRLPRO	02	B	P		DRILL 4013-4216 = 203' = 33.8 FPH, MW 10.2#
12/31/2008	20:30 - 21:00	0.50	DRLPRO	06	C	P		WORK ON MUD PUMP #2
	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRILL 4216-4314 = 98' = 32.6 FPH, MW 10.2#
	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL 4314-4520 = 206' = 34.3 FPH, MW 10.4
	6:00 - 6:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 4445 = 4.09 DEG
	6:30 - 15:30	9.00	DRLPRO	02	B	P		DRILL 4520-4899 = 379' = 42.1 FPH, MW 10.4#
	15:30 - 16:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:00 - 16:30	0.50	DRLPRO	06	C	P		WORK ON MUD PUMPS
	16:30 - 20:00	3.50	DRLPRO	02	B	P		DRILL 4899-5026 = 127' = 36.3 FPH, MW 10.3#
	20:00 - 20:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 4851 = 3.86 DEG
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL 5026-5131 = 105' = 30 FPH, MW 10.3#
1/1/2009	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRILL 5131-5469 = 338' = 27.0 FPH, MW 10.4
	12:30 - 13:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	13:00 - 13:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 5394 = 4.47 DEG
	13:30 - 15:00	1.50	DRLPRO	02	B	P		DRILL 5469-5500 = 31' = 20.7 FPH, MW 10.4
	15:00 - 18:00	3.00	DRLPRO	05	A	P		PUMP SLUG, POOH FOR BIT/BHA CHANGE-HOLE GOOD
	18:00 - 21:00	3.00	DRLPRO	05	A	P		M/U BIT #3, IBS ON MOTOR, TRIP IN HOLE TO SHOE, FILL PIPE, TRIP IN TO TD, W&R 45' TO TD
1/2/2009	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRILL 5500-5612 = 112' = 37.3 FPH, MW 10.6#
	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRILL 5612-5631 = 19', MW 10.6#
	0:30 - 1:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 5556 = 4.93 DEG
	1:00 - 3:30	2.50	DRLPRO	02	B	P		DRILL 5631-5726 = 95' = 38 FPH, MW 10.5#
	3:30 - 4:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 5651 = 4.35 DEG
	4:00 - 6:30	2.50	DRLPRO	02	B	P		DRILL 5726-5809 = 83' = 41.5 FPH, MW 10.5#
	6:30 - 7:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 5734 = 4.18 DEG
	7:00 - 12:00	5.00	DRLPRO	02	B	P		DRILL 5809-5979 = 170' = 34 FPH, MW 10.6#
	12:00 - 12:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 5904 = 4.32 DEG
	12:30 - 16:00	3.50	DRLPRO	02	B	P		DRILL 5979-6137 = 158' = 45.1 FPH, MW 10.6#
	16:00 - 16:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	16:30 - 17:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 6062 = 4.0 DEG
	17:00 - 20:30	3.50	DRLPRO	02	B	P		DRILL 6137-6295 = 158' = 45.1 FPH, MW 10.6
	20:30 - 21:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 6220 = 3.99 DEG
1/3/2009	21:00 - 0:00	3.00	DRLPRO	02	B	P		DRILL 6295-6409 = 114' = 38 FPH, MW 10.6#
	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL 6409-6612 = 203' = 34.5 FPH, MW 10.7#

## Operation Summary Report

Well: NBU 920-12M		Spud Conductor: 10/19/2008		Spud Date: 10/27/2008	
Project: UTAH		Site: UINTAH		Rig Name No: PROPETRO/, PIONEER 41/41	
Event: DRILLING		Start Date: 10/27/2008		End Date: 1/12/2009	
Active Datum: RKB @4,721.00ft (above Mean Sea Level)			UWI: NBU 920-12M		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/4/2009	6:00 - 6:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 6537 = 3.61 DEG
	6:30 - 10:30	4.00	DRLPRO	02	B	P		DRILL 6612-6771 = 159' = 39.8 FPH, MW 10.6#
	10:30 - 11:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 6696 = 3.02 DEG
	11:00 - 11:30	0.50	DRLPRO	02	B	P		DRILL 6771-6802 = 31', MW 10.6#
	11:30 - 12:00	0.50	DRLPRO	06	C	P		CHANGE SWAB #1 MP
	12:00 - 15:00	3.00	DRLPRO	02	B	P		DRILL 6802-6929 = 127' = 42.3 FPH, MW 10.6#
	15:00 - 15:30	0.50	DRLPRO	06	A	P		DAILY RIG SERVICE
	15:30 - 19:30	4.00	DRLPRO	02	B	P		DRILL 6929-7087 = 158' = 39.5 FPH, MW 10.6#
	19:30 - 20:00	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 7012 = 3.12 DEG
	20:00 - 0:00	4.00	DRLPRO	02	B	P		DRILL 7087-7238 = 151' = 37.8 FPH, MW 10.7#
1/5/2009	0:00 - 13:00	13.00	DRLPRO	02	B	P		DRILL 7238-7562 = 324' = 24.9 FPH, MW 10.7#
	13:00 - 16:30	3.50	DRLPRO	05	A	P		PUMP SLUG, DROP SURVEY, POOH WITH BIT #3 HOLE GOOD , REMOVE BIT, LAY DOWN MUD MOTOR
	16:30 - 18:30	2.00	DRLPRO	05	A	P		P/U MUD MOTOR, M/U BIT #4, TRIP IN TO SHOE
	18:30 - 20:00	1.50	DRLPRO	06	D	P		SLIP & CUT DRILLING LINE
	20:00 - 23:00	3.00	DRLPRO	05	A	P		TRIP IN TO BOTTOM, W & R 45' TO TD
	23:00 - 0:00	1.00	DRLPRO	02	B	P		DRILL 7562-7606 = 44' = 44 FPH, MW 10.8#
	0:00 - 3:30	3.50	DRLPRO	02	B	P		DRILL 7606-7765 = 159' = 45.4 FPH, MW 10.9#
	3:30 - 4:30	1.00	DRLPRO	06	C	P		CHANGE PISTON IN MP#2
	4:30 - 8:00	3.50	DRLPRO	02	B	P		DRILL 7765-7910 = 145' = 41.4 FPH, MW 10.9#
	8:00 - 8:30	0.50	DRLPRO	09	A	P		WIRELINE SURVEY @ 7835 = 2.54 DEG
1/6/2009	8:30 - 15:30	7.00	DRLPRO	02	B	P		DRILL 7910-8290 = 381' = 54.4 FPH, MW 10.9#
	15:30 - 16:00	0.50	DRLPRO	06	A	P		DAILY RIG SERVICE
	16:00 - 19:00	3.00	DRLPRO	02	B	P		DRILL 8290-8430 = 140' = 46.7 FPH, MW 10.9#
	19:00 - 20:30	1.50	DRLPRO	06	C	P		WORK ON MUD PUMPS
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL 8430-8575 = 222' = 63.4 FPH, MW 11.1#
	0:00 - 10:30	10.50	DRLPRO	02	B	P		DRILL 8575-9007 = 432' = 41.1 FPH MW 11.1#
	10:30 - 11:00	0.50	DRLPRO	06	A	P		DAILY RIG SERVICE
	11:00 - 22:00	11.00	DRLPRO	02	B	P		DRILL 9007-9410 = 403' = 36.6 FPH, MW 12.0
	22:00 - 23:30	1.50	DRLPRO	06	C	P		WORK ON MP#2
	23:30 - 0:00	0.50	DRLPRO	02	B	P		DRILL 9410-9430 = 30', MW 12.0#
1/7/2009	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRILLING 9430-9557=127=31.75 MW 11.8
	4:00 - 5:00	1.00	DRLPRO	06	C	S		WORK ON #1 PUMP
	5:00 - 11:00	6.00	DRLPRO	02	B	P		DRILLING 9557-9708=151=25.1 MW 12.0
	11:00 - 11:30	0.50	DRLPRO	07	A	P		WORK ON #1 PUMP MTR
	11:30 - 12:00	0.50	DRLPRO	02	B	P		DRILLING 9708-9746 BY PASS SHAKER, LOST 30 BBLs MUD
	12:00 - 12:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	12:30 - 15:00	2.50	DRLPRO	02	B	P		DRILLING 9746-9785=39=15.6 MW 12.1
	15:00 - 19:00	4.00	DRLPRO	04	B	P		CIRC & RAISE MUD WT TO 12.4 TO CONTROL GAS F/ BIT TRIP,
	19:00 - 23:30	4.50	DRLPRO	05	A	P		PUMP SLUG DROP SURVEY, TOH
	23:30 - 0:00	0.50	DRLPRO	05	A	P		L/D IBS , FUNCT TEST BOP'S, CHANGE BITS
1/8/2009	0:00 - 4:00	4.00	DRLPRO	05	A	P		TIH, BREAK CIRC @ 2800 & 6500', CIH
	4:00 - 4:30	0.50	DRLPRO	03	D	P		W & R 50' TO BTM
	4:30 - 8:00	3.50	DRLPRO	02	B	P		DRILLING 9785-9900=115=32.8 MW 12.5
	8:00 - 8:30	0.50	DRLPRO	06	C	S		WORK ON #1 PUMP
	8:30 - 11:30	3.00	DRLPRO	02	B	P		DRILLING 9900-9976=76=25.3 MW 12.5
	11:30 - 13:30	2.00	DRLPRO	06	C	S		WORK ON #1 PUMP

## Operation Summary Report

Well: NBU 920-12M			Spud Conductor: 10/19/2008			Spud Date: 10/27/2008			
Project: UTAH			Site: UINTAH			Rig Name No: PROPETRO/, PIONEER 41/41			
Event: DRILLING			Start Date: 10/27/2008			End Date: 1/12/2009			
Active Datum: RKB @4,721.00ft (above Mean Sea Level)			UWI: NBU 920-12M						
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation	
1/9/2009	13:30 - 16:30	3.00	DRLPRO	02	B	P		DRILLING 9976-10016=40=13.3 MW 12.6	
	16:30 - 17:00	0.50	DRLPRO	06	A	P		RIG SERVICE	
	17:00 - 18:00	1.00	DRLPRO	02	B	P		DRILLING 10016-10029=13 MW 12.6	
	18:00 - 19:00	1.00	DRLPRO	04	C	P		CBU ,MIX & PUMP SLUG	
	19:00 - 0:00	5.00	DRLPRO	05	A	P		TOH, CHANGE OUT M MTR & BIT	
	0:00 - 4:00	4.00	DRLPRO	05	A	P		TIH,BREAK CIRC @ 2800 & 6500',CIH	
	4:00 - 4:30	0.50	DRLPRO	03	D	P		W & R 40' TO BTM	
	4:30 - 11:30	7.00	DRLPRO	02	B	P		DRILLING 10029-10154=125=17.8 MW 12.7	
	11:30 - 12:00	0.50	DRLPRO	06	A	P		RIG SERVICE	
	12:00 - 14:30	2.50	DRLPRO	02	B	P		DRILLING 10154-10187=33=13.2 MW 12.7	
	14:30 - 15:30	1.00	DRLPRO	04	C	P		CBU F/ BIT TRIP	
	15:30 - 17:00	1.50	DRLPRO	05	A	P		TOH	
	17:00 - 18:00	1.00	DRLPRO	07	A	S		RIG REPAIR REPLACE BREAK OUT LINE	
	18:00 - 21:00	3.00	DRLPRO	05	A	P		TOH	
1/10/2009	21:00 - 22:30	1.50	DRLPRO	05	A	P		CHANGE BITS,FUNCT TEST BOPS,TIH TO CSG SHOE ,BREAK CIRC	
	22:30 - 0:00	1.50	DRLPRO	06	D	P		CUT DRILL LINE	
	0:00 - 3:30	3.50	DRLPRO	05	A	P		TIH BREAK CIRC @ 7000',CIH	
	3:30 - 4:00	0.50	DRLPRO	03	D	P		W & R 45' TO BTM, NO FILL	
	4:00 - 12:30	8.50	DRLPRO	02	B	P		DRILLING 10187-10534=347=40.8 MW 12.8	
	12:30 - 13:00	0.50	DRLPRO	06	A	P		RIG SERVICE	
	13:00 - 13:30	0.50	DRLPRO	02	B	P		DRILLING 10534-10566 MW 12.8	
	13:30 - 15:00	1.50	DRLPRO	06	C	S		CHANGE 2 VALVES & SEATS #2 PUMP	
	15:00 - 18:00	3.00	DRLPRO	02	B	P		DRILLING 10586-10710=124=41.3 MW 12.8 TD @ 1800 HRS 01/10/2009	
	18:00 - 19:30	1.50	DRLPRO	04	C	P		CCH F/ LOGS	
	19:30 - 21:00	1.50	DRLPRO	05	E	P		16 STD WIPER TRIP TO 9000' ( HOLE GOOD)	
	21:00 - 22:30	1.50	DRLPRO	04	C	P		CCH F/ LOGS, RU WEATHERFORD TO LDDS	
	1/11/2009	22:30 - 0:00	1.50	DRLPRO	05	B	P		SM W/ WEATHERFORD TRS , LDDS
		0:00 - 7:30	7.50	DRLPRO	05	B	P		LDDS,PULL WEAR BUSHING
7:30 - 13:00		5.50	DRLPRO	08	F	P		SM RU HALLIBURTON RUN TRIPLE COMBO,LOGGER TD 10720'.RD SAME	
13:00 - 20:30		7.50	DRLPRO	08	B	P		SM RU WEATHERFORD TRS RUN 254 JTS OF 41/2,11.6#,P-110 LTC CSG,LAND CSG	
20:30 - 22:00		1.50	DRLPRO	08	B	P		RU HALLIBURTON CIRC CSG	
22:00 - 0:00		2.00	DRLPRO	08	B	P		SM W/ HALLIBURTON,TEST LINES,PUMP 10	
1/12/2009	0:00 - 2:30	2.50	DRLPRO	08	B	P		BBLS FW,20 BBLS MUD FLUSH,10 BBLS FW,26BBLS (20 SKS) 255.5 bbls (700 SKS) LEAD,START TAIL CMT	
	2:30 - 12:00	9.50	DRLPRO	13	A	P		PUMP 328 BBLS(1430 SKS) TAIL CMT,DISPLACE W/ 165 BBLS FW+ALDACIDE,BUMP PLUG W/ 3650 PSI 500 OVER,FLOATS OKAY,HAD GOOD RETURNS W/ 10 BBLS LEAD CMT TO PIT SET PACKOFF & TEST,ND BOP,CLEAN PITS,RELEASE RIG TO PIONEER DRILLING @ 12:00 HRS 01/12/2009	

# ROCKIES

## Operation Summary Report

Well: NBU 920-12M	Spud Conductor: 10/19/2008	Spud Date: 10/27/2008
Project: UTAH	Site: UINTAH	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 1/26/2009	End Date: 1/31/2009
Active Datum: RKB @4,721.00ft (above Mean Sea Level)		
UWI: NBU 920-12M		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
1/26/2009	7:00 - 15:00	8.00	COMP	47	A	P		7:00 A.M. HSM RIG DWN ON OURAY 35-151, ROAD RIG & EQUIP 5 MILES. ROADS PURE ICE. HIGH WINDS, SNOW & ICE. SHUT OPERATIONS DOWN.
1/27/2009	7:00 - 17:00	10.00	COMP	31	I	P		7:00 A.M. HSM CONT TO ROAD RIG & EQUIP F/ OURAY 35-151 TO LOC. BREAKING SNOW DRIFTS. HAD TO FOLLOW ROAD GRADER. MIRU. NDWH. NU BOPE. PREP & TALLY 2 3/8" L-80 8RD 4.7# TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. P/U TOTAL OF 177 JTS. EOT @ 5600'. SWI. SDFN
1/28/2009	7:00 - 15:00	8.00	COMP	37	B	P		7:00 A.M. HSM POOH W/ TBG F/ 5600', STD BK 88 STDS. L/D BHA. ND BOPE. NU FRAC VLV'S. MIRU B&C QUICK TST. FILL CSG & PSI TST CSG & FRAC VLV'S TO 7500# (HELD). MIRU CUTTERS. P/U 3 3/8" PERF GUNS LOADED W/ 23 GM CHARGES. 4 SPF, 90 DEG PHASING & RIH. SHOOT STG 1 PERF'S W/ 16 HOLES F/ 10608' - 12', P/U SHOOT 8 HOLES F/ 10589' - 91', P/U SHOOT 8 HOLES F/ 10576' - 78', P/U SHOOT 8 HOLES F/ 10504' - 06'. POOH. MIRU WEATHERFORD FRAC SVC, PREP TO FRAC IN A.M.

## ROCKIES

## Operation Summary Report

Well: NBU 920-12M	Spud Conductor: 10/19/2008	Spud Date: 10/27/2008
Project: UTAH	Site: UINTAH	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 1/26/2009	End Date: 1/31/2009
Active Datum: RKB @4,721.00ft (above Mean Sea Level)	UWI: NBU 920-12M	

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
1/29/2009	7:00 - 18:00	11.00	COMP	36	B	P		7:00 A.M. HSM  PRIME PMP'S & PSI TST LINES TO 8500#, (HELD). BEGIN TO FRAC @ 7:10 A.M.  NOTE: ALL PERF'S SHOT W/ 3 3/8" EXP PERF GUNS, LOADED W/ 23 GM CHARGES, 3 & 4 SPF, 90 & 120 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL TANKS WERE TREATED W/ NALCO BIOCID 10 GPTANK. ALL STAGES TREATED W/ NALCO DVE-005 SCALE INHIB, 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD.  STG 1: BRK DWN PERF'S @ 4265#, EST INJ RT @ 52.7 BPM @ 5700#, ISIP 3273#, FG .75, TREAT STG 1 W/ 61,100# SAND TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1712 BBLS. ISIP 3515#, NPI 242#, FG .78  STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 10396', P/U SHOOT 8 HOLES F/ 10364' - 66', P/U SHOOT 8 HOLES F/ 10322' - 24', P/U SHOOT 8 HOLES F/ 10248' - 50', P/U SHOOT 8 HOLES F/ 10186' - 88', P/U SHOOT 4 HOLES F/ 10149' - 50', P/U SHOOT 8 HOLES F/ 10130' - 32'. POOH. BRK DWN PERF'S @ 5185#, EST INJ RT @ 52.1 BPM @ 5980#, ISIP 3006#, FG .74 TREAT STG 2 W/ 51,883# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1341 BBLS. ISIP 3443#, NPI 437#, FG .78  STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 10100', P/U SHOOT 8 HOLES F/ 10068' - 70', P/U SHOOT 16 HOLES F/ 10024' - 28', P/U SHOOT 8 HOLES F/ 9981' - 83', P/U SHOOT 8 HOLES F/ 9934' - 36'. POOH. BRK DWN PERF'S @ 4500#, EST INJ RT @ 46.2 BPM @ 5100#, ISIP 2902#, FG .73, TREAT STG 3 W/ 27,143#, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1013 BBLS. ISIP 3469#, NPI 567#, FG .79  STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9882', P/U SHOOT 8 HOLES F/ 9850' - 52', P/U SHOOT 8 HOLES F/ 9828' - 30', P/U SHOOT 16 HOLES F/ 9814' - 18', P/U SHOOT 8 HOLES F/ 9782' - 84'. POOH. BRK DWN PERF'S @ 6208#, EST INJ RT @ 50.9 BPM @ 6000#, ISIP 2794#, FG .73, TREAT STG 4 W/ 50,324# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1303 BBLS. ISIP 3628#, NPI 834#, FG .81  STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9716', P/U SHOOT 16 HOLES F/ 9682' - 86', P/U SHOOT 8 HOLES F/ 9640' - 42', P/U SHOOT 4 HOLES F/ 9581' - 82', P/U SHOOT 16 HOLES F/ 9538' - 42'. POOH. BRK DWN PERF'S @ 4738#, EST INJ RT @ 52.3 @ 6000#, ISIP 2452#, FG .70, TREAT STG 5 W/ 124,392# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 3091BBLS, ISIP 3258#, NPI 806#, FG .78

# ROCKIES

## Operation Summary Report

Well: NBU 920-12M		Spud Conductor: 10/19/2008		Spud Date: 10/27/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 2/2	
Event: COMPLETION		Start Date: 1/26/2009		End Date: 1/31/2009	
Active Datum: RKB @4,721.00ft (above Mean Sea Level)			UWI: NBU 920-12M		

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
1/30/2009	7:00 -		COMP	36	B	P		<p>PICKLE LINES &amp; W.H. SWI. SDFN 07:00 - HSM</p> <p>PRIME PMP'S &amp; PSI TST LINES TO 8500#, (HELD). BEGIN TO FRAC @ 7:10 A.M.</p> <p>NOTE: ALL PERF'S SHOT W/ 3 3/8" EXP PERF GUNS, LOADED W/ 23 GM CHARGES, 3 &amp; 4 SPF, 90 &amp; 120 DEG PHASING. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S. ALL TANKS WERE TREATED W/ NALCO BIOCID 10 GPTANK. ALL STAGES TREATED W/ NALCO DVE-005 SCALE INHIB, 3 GPT IN PAD &amp; 1/2 RAMP, 10 GPT IN FLUSH &amp; PRE PAD.</p> <p>STG 6: P/U 3 3/8" PERF GUNS &amp; 4 1/2" CBP &amp; RIH. SET CBP @ 9495', P/U SHOOT 16 HOLES F/ 9456' - 60', P/U SHOOT 12 HOLES F/ 9376' - 80', P/U SHOOT 12 HOLES F/ 9332' - 36'. POOH. BRK DWN PERF'S @ 3935#, EST INJ RT @ 51.7 BPM @ 5700#, ISIP 2352#, FG .69 TREAT STG 6 W/ 78,979# SAND, TAILED IN W/ 4,854# TLC SAND W/ SLK WTR. TOT CL FL 2031 BBLS. ISIP 3278#, NPI 926#, FG .79</p> <p>STG 7: P/U 3 3/8" PERF GUNS &amp; 4 1/2" CBP &amp; RIH. SET CBP @ 9260', P/U SHOOT 16 HOLES F/ 9226' - 30', P/U SHOOT 8 HOLES F/ 9136' - 38', P/U SHOOT 16 HOLES F/ 9086' - 90'. POOH. BRK DWN PERF'S @ 5533#, EST INJ RT @ 51.8 BPM @ 6414#, ISIP 3106#, FG .78 TREAT STG 7 W/ 89,547# SAND, TAILED IN W/ 4,347# TLC SAND W/ SLK WTR. TOT CL FL 2310 BBLS. ISIP 3364#, NPI 258#, FG .81.</p> <p>STG 8: P/U 3 3/8" PERF GUNS &amp; 4 1/2" CBP &amp; RIH. SET CBP @ 9025', P/U SHOOT 12 HOLES F/ 8986' - 90', P/U SHOOT 16 HOLES F/ 8882' - 86', P/U SHOOT 16 HOLES F/ 8848' - 52'. POOH. BRK DWN PERF'S @ 3846#, EST INJ RT @ 52.6 BPM @ 5700#, ISIP 2473#, FG .72 TREAT STG 8 W/ 63,217# SAND, TAILED IN W/ 4000# TLC SAND W/ SLK WTR. TOT CL FL 1577 BBLS. ISIP 3103#, NPI 630#, FG .79</p> <p>STG 9: P/U 3 3/8" PERF GUNS &amp; 4 1/2" CBP &amp; RIH. SET CBP @ 8762', P/U SHOOT 8 HOLES F/ 8730' - 32', P/U SHOOT 16 HOLES F/ 8648' - 52', P/U SHOOT 8 HOLES F/ 8530' - 32', P/U SHOOT 8 HOLES F/ 8510' - 12', POOH. BRK DWN PERF'S @ 6453#, EST INJ RT @ 52.6 BPM @ 5800#, ISIP 2393#, FG .72, TREAT STG 9 W/ 33,992# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 908 BBLS, ISIP 2760#, NPI 367#, FG .76</p> <p>P/U 4 1/2" CBP &amp; RIH. SET CBP @ 8460'. POOH. RDMO CUTTERS. RDMO WEATHERFORD. ND FRAC VLV'S, NUBOPE. P/U 3 7/8" BIT, POBS &amp; BEG TO RIH W/ TBG. EOT @ 5600'. SWI. WINTERIZE W.H. SDFN</p>

## ROCKIES

## Operation Summary Report

Well: NBU 920-12M	Spud Conductor: 10/19/2008	Spud Date: 10/27/2008
Project: UTAH	Site: UINTAH	Rig Name No: MILES 2/2
Event: COMPLETION	Start Date: 1/26/2009	End Date: 1/31/2009
Active Datum: RKB @4,721.00ft (above Mean Sea Level)	UWI: NBU 920-12M	

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
1/31/2009	7:00 - 19:30	12.50	COMP	44	C	P		<p>7:00 A.M. HSM PREP &amp; TALLY 2 3/8" TBG. &amp; CONT TO RIH P/U TBG OFF TRAILER F/ 5600'. TAG KILL PLUG @ 8460'. R/U DRL EQUIP. MIRU H.O.T. BRK CONV CIRC &amp; BEG TO DRL.</p> <p>DRL UP KILL PLUG (700# PSI INC). LOST 8000# ST WT. CONT TO DRL UNTILL EQUILIZE. CONT TO RIH. TAG FILL @ 8732'. (30' FILL). C/O TO 2ND CBP @ 8762'.</p> <p>DRL UP 2ND CBP (800# PSI INC). CONT TO RIH. TAG FILL @ 8995', (30' FILL). C/O TO 3RD CBP @ 9025'.</p> <p>DRL UP 3RD CBP (1200#) PSI INC). CONT TO RIH. TAG FILL @ 9230', (30' FILL). C/O TO 4TH CBP @ 9260'.</p> <p>DRL UP 4TH CBP (1100# PSI INC). CONT TO RIH. TAG FILL @ 9455', (40' FILL). C/O TO 5TH CBP @ 9495'.</p> <p>DRL UP 5TH CBP (500# PSI INC). CONT TO RIH. TAG FILL 6TH CBP @ 9716', (0' FILL)</p> <p>DRL UP 6TH CBP (300# PSI INC). CONT TO RIH. TAG FILL @ 9852', (30' FILL). C/O TO 7TH CBP @ 9882'.</p> <p>DRL UP 7TH CBP (50# PSI INC). CONT TO RIH. TAG FILL @ 10060', (40' FILL). C/O TO 8TH CBP @ 10100'</p> <p>DRL UP 8TH CBP (200# PSI INC). CONT TO RIH. TAG FILL @ 10366', (30' FILL). C/O TO 9TH CBP @ 10396'.</p> <p>DRL UP 9TH CBP (700# PSI INC). CONT TO RIH. TAG FILL @ 10590', (50' FILL). C/O TO PBTD @ 10640'. CIRC WELL CLEAN. R/D DRL EQUIP. POOH L/D 27 JTS ON TRAILER. LUBE TBG HGR INTO WELL. LAND TBG W/ EOT @ 10086'. NDBOPE. DROP BALL. NUWH. PMP OFF THE BIT SUB @ 3200#. R/U FLOW BACK EQUIP. TURN OVER TO FLOW BACK CREW.</p> <p>SICP 2300# FTP 50# 48/64 CHOKE</p> <p>TBG ON LOC 345 JTS TBG IN WELL 318 JTS TBG LEFT ON TRAILER 27 JTS 7 AM FLBK REPORT: CP 2450#, TP 2200#, 20/64" CK, 85 BWPH, 2 CUPS SAND, LIGHT GAS TTL BBLS RECOVERED: 4755 BBLS LEFT TO RECOVER: 10530 7 AM FLBK REPORT: CP 3275#, TP 2425#, 20/64" CK, 70 BWPH, CUP SAND, MEDIUM GAS TTL BBLS RECOVERED: 6555 BBLS LEFT TO RECOVER: 8730</p>
2/1/2009	7:00 -			33	A			
2/2/2009	7:00 -			33	A			



## ROCKIES

## Operation Summary Report

Well: NBU 920-12M			Spud Conductor: 10/19/2008			Spud Date: 10/27/2008		
Project: UTAH			Site: UINTAH				Rig Name No: MILES 2/2	
Event: COMPLETION			Start Date: 1/26/2009		End Date: 1/31/2009			
Active Datum: RKB @4,721.00ft (above Mean Sea Level)			UWI: NBU 920-12M					
Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
2/3/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 4000#, TP 2550#, 20/64" CK, 40 BWPH, TSP SAND, HEAVY GAS TTL BBLS RECOVERED: 7855 BBLS LEFT TO RECOVER: 7430
2/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3850#, TP 2500#, 20/64" CK, 33 BWPH, TSP SAND, - GAS TTL BBLS RECOVERED: 8732 BBLS LEFT TO RECOVER: 6553
2/5/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3450#, TP 2450#, 20/64" CK, 28 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 9446 BBLS LEFT TO RECOVER: 5839

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other 1b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____						5. Lease Serial No. UTU-0144868-B			
2. Name of Operator KERR McGEE OIL & GAS ONSHORE LP						6. If Indian, Allottee or Tribe Name TRIBAL SURFACE			
3. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078						7. Unit or CA Agreement Name and No. UNIT #891008900A			
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface SW/SW 820'FSL, 465'FWL  At top prod. interval reported below  At total depth						8. Lease Name and Well No. NBU 920-12M			
14. Date Spudded 10/19/2008						9. AFI Well No. 4304739235			
15. Date T.D. Reached 01/10/2009						10. Field and Pool or Exploratory NATURAL BUTTES			
16. Date Completed 02/04/2009 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.						11. Sec., T., R., M., on Block and Survey or Area SEC. 12, T9S, R20E			
18. Total Depth: MD 10,710' TVD						12. County or Parish UTAH, COUNTY			
19. Plug Back T.D.: MD 10,640' TVD						13. State UT			
20. Depth Bridge Plug Set: MD TVD						17. Elevations (DF, RKB, RT, GL)* 4703'GL			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL-CCL-GR <b>SP10SN, ACTR</b>						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2860'		640 SX			
7 7/8"	4 1/2 I-80	11.6#		10,710'		2150 SX			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 3/8"	10,086'								
25. Producing Intervals									
Formation		Top	Bottom	26. Perforation Record					
				Perforated Interval		Size	No. Holes	Perf. Status	
A) MESAVERDE		8510	10,612'	8510'-10,612'		0.36	372	OPEN	
B) <b>WSMVD</b>									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, etc.									
Depth Interval		Amount and Type of Material							
8510'-10,612'		PMP 15,285 BBLs SLICK H2O & 580,577# 30/50 OTTOWA SD							
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/4/2009	2/13/09	24	→	0	3277	672			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	SI 883#	1667#	→	0	3277	672		PRODUCING GAS WELL	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI		→						

\*(See instructions and spaces for additional data on page 2)

RECEIVED

MAR 05 2009

DIV. OF OIL, GAS & MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1766'				
BIRDS NEST	2011'				
MAHOGANY	2537'				
WASATCH	5224'	8491'			
MESAVERDE	8507'	10,669'			

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 03/03/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)